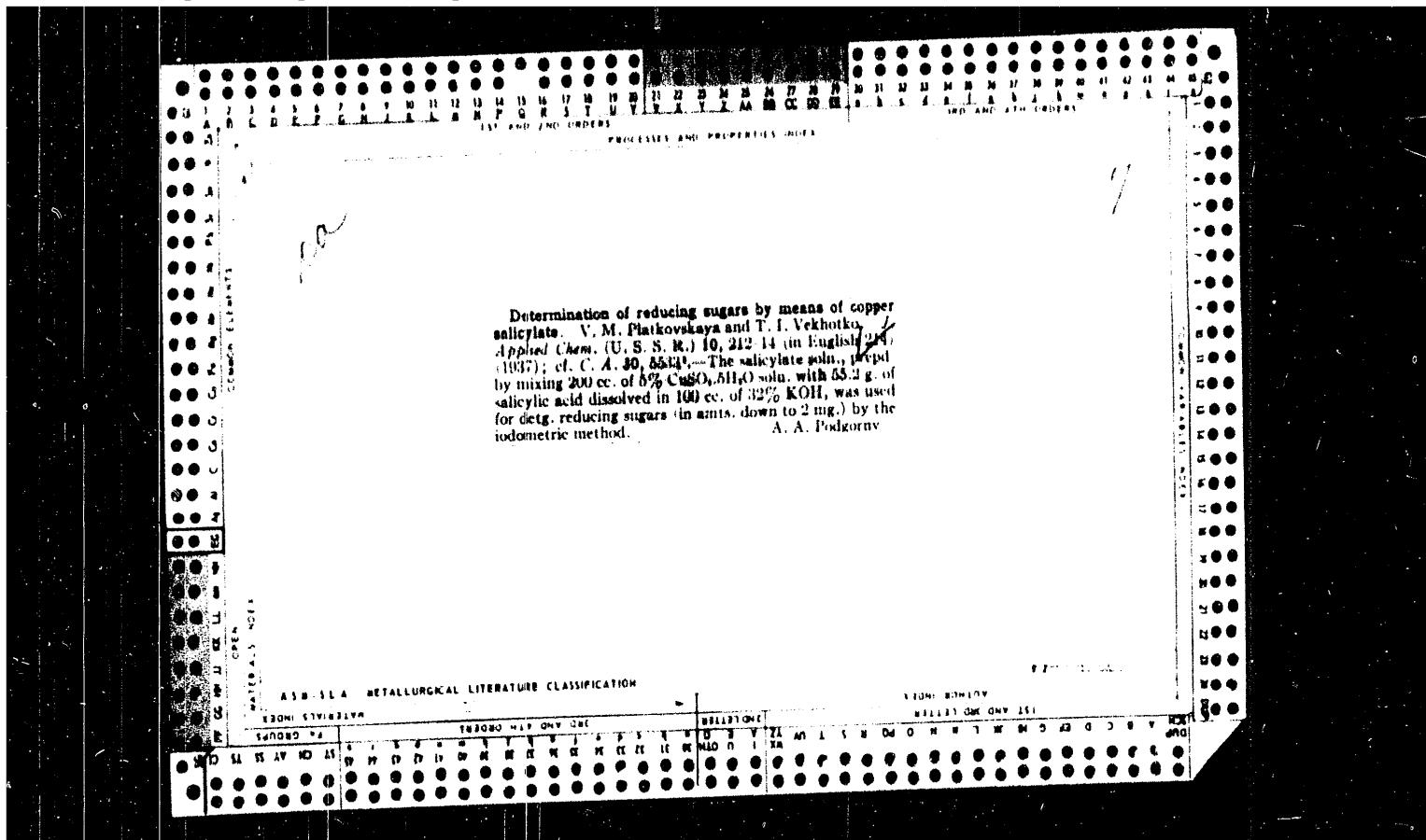


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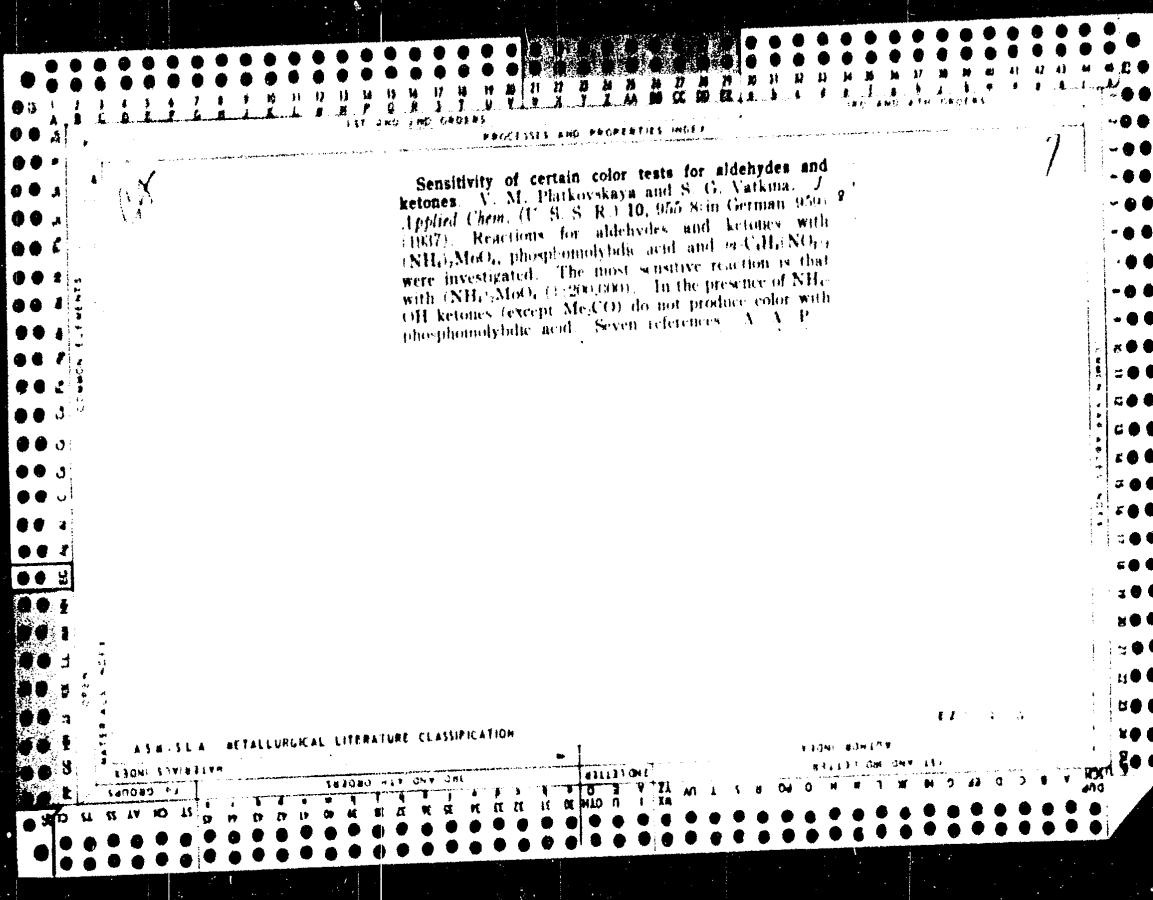
APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

Sensitivity of certain tests for phenols. V. M. Platkovskaya and S. G. Vatkins. *J. Applied Chem.* (U.S.S.R.) 10, 202-7 (in German, 207) (1957). Of phosphomolybdc acid, phosphotungstic acid, Millon's reagent and Na nitroprusside, the first is the most sensitive color reagent for phenols; in the presence of NH₃ 1 part in 2,000,000 of PhOH, *p*-C₆H₅(OH)₂, or cresol can be detected. Compds. of mixed function (adrenalin, vanillin, benzogenol, guaiacol, cresols), as well as *o*- and *n*-naphthol and thymol, give color reactions with phosphomolybdc acid in the presence of NH₃; these compds. do not give a color with phosphotungstic acid. Millon's reagent and Na nitroprusside give colors with only certain phenols; they do not give colors with the above-mentioned compds. of mixed function. A. A. Podgorny

ASIN-SLA METALLURGICAL LITERATURE CLASSIFICATION

OPEN	REF ID:	SEARCHED	INDEXED	FILED	SEARCHED	INDEXED	FILED
1	2	3	4	5	6	7	8
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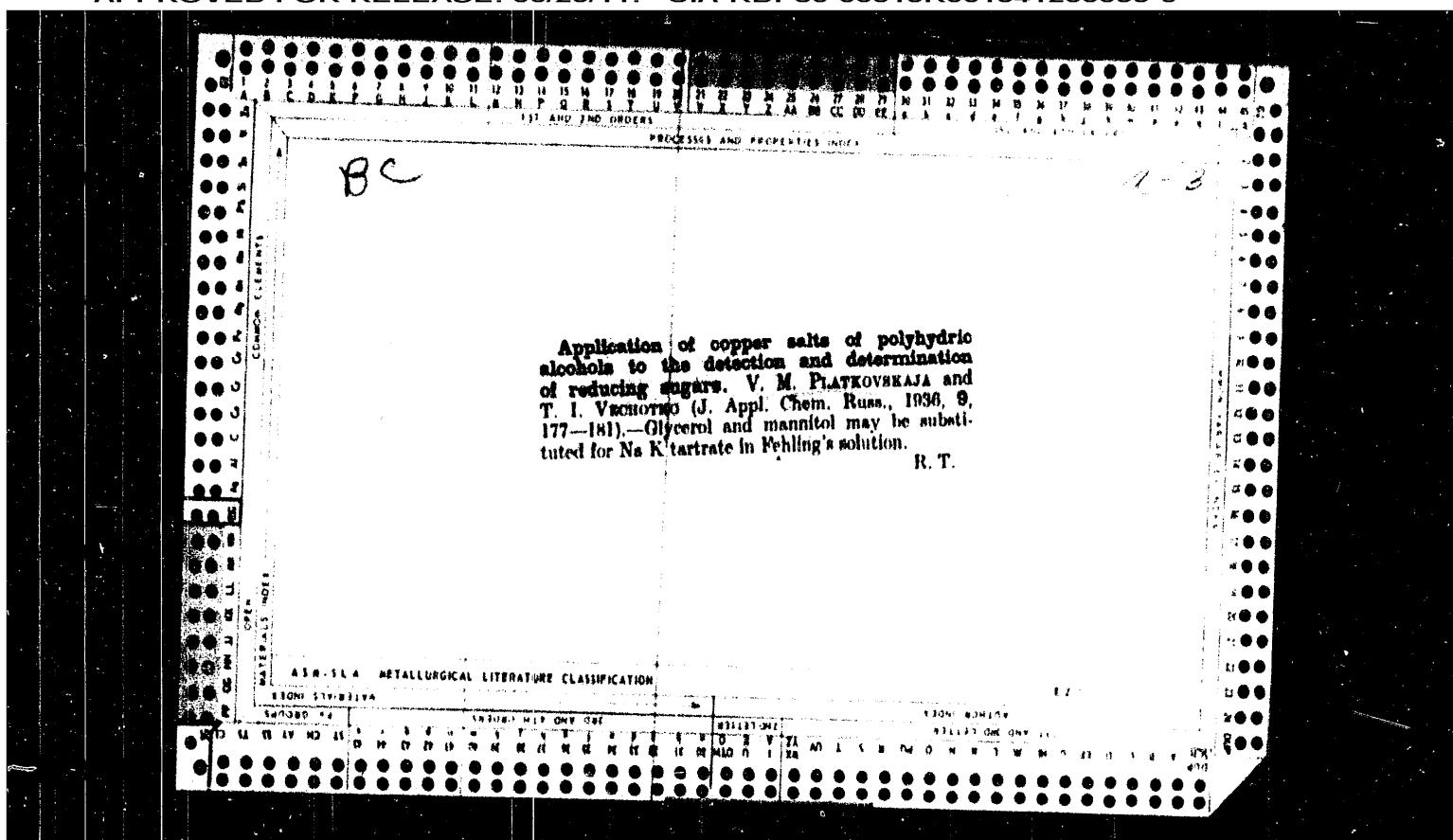
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Sensitivity of colour reactions for phenols. V. M. PLATKOVSKAJA and S. G. VATKINA (J. Appl. Chem. Russ., 1937, 10, 202-207).—Min. concns. of substance giving a detectable blue colour with phosphomolybdic acid and eq. NH_3 are: PhOH, o- and m- $\text{C}_6\text{H}_4(\text{OH})_2$, 1 : 2 ; 3, (I), 1 : 2 : 4, (II), and 1 : 2 : 5; $\text{C}_6\text{H}_5(\text{OH})_2$, (III), $\alpha\text{-C}_6\text{H}_4\text{OH}$, and isoeugenol 0.0005; cresol and quinol 0.00005; $\beta\text{-C}_6\text{H}_4\text{OH}$, thymol, and adrenalin 0.005; guaiacol carbonate 0.05; vanillin 0.1; salicylic acid 0.5%. The vals. with phosphotungstic acid and eq. NH_3 are: o- and p- $\text{C}_6\text{H}_4(\text{OH})_2$, and (I) 0.0005; m- $\text{C}_6\text{H}_4(\text{OH})_2$, and (II) 0.004; PhOH 0.5%, and with Millon's reagent: PhOH and cresol 0.0005; o- $\text{C}_6\text{H}_4(\text{OH})_2$, 0.05; (I) 0.5; (III) 5%.

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PLATKOVSKAYA, V. M.

Brief course of laboratory work in organic chemistry (Koknyn, Gen. Izd-vo Prof., 1924) 32 p. (Spetsial'nye posobie dlia vyshei shkoly, Chz. 24, K. 2)

CD253.R69

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATITSYN, N. Lt. Col.

"Infantry Weapons in the American Army," Voyennyye Znaniya, No.11, 1955

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATKOVSKIY, V.

Proletarian internationalism, the militant banner of workers of all
countries. Komm. Vooruzh. Sil 4 no.17:8-17 S '64.
(MIRA 17:12)

L 04672-67

ACC NR: AR6024455

the depth of the relaxation of Young's modulus. The relations obtained were found to be in qualitative agreement with the Granato-Lucke theory. A hysteresis was observed in the Young's modulus relaxation in the amplitude-dependent region. The influence of prior plastic deformation and of the temperature was investigated. A qualitative explanation of the observed results is presented. Orig. art. has: 8 figures and 2 formulas.

SUB CODE: 20/ SUBM DATE: 01Oct65/ ORIG REF: 003/ OTH REF: 004

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Card 2/2

L 04672-67 ENT(1)/ENT(m)/T/ENP(t)/ETI IJP(c) OO/JD
ACC NR: AP6024455 SOURCE CODE: UR/0181/66/008/007/1994/2000

AUTHOR: Platkov, V. Ya.; Startsev, V. I.

ORG: Physicotechnical Institute of Low Temperatures, AN UkrSSR, Khar'kov (Fiziko-tehnicheskiy institut nizkikh temperatur AN UkrSSR)

TITLE: Amplitude and time dependences of the internal friction in ionic crystals

SOURCE: Fizika tverdogo tela, v. 8, no. 7, 1966, 1994-2000

TOPIC TAGS: internal friction, ionic crystals, crystal dislocation phenomenon, Young modulus, relaxation process, plastic deformation, temperature dependence

ABSTRACT: The authors present the results of an investigation of internal friction due to the presence of dislocations in single-crystal KBr, KCl, RbI, and in part NaCl. The internal friction and Young's modulus were measured using a double compound oscillator in which the ultrasonic oscillations were produced by X-cut quartz excited in the natural longitudinal mode (77.7 and 90.5 kcs). The sample was cleaved along the cleavage plane and glued to the quartz. The different crystals were made of different lengths, such that the difference between their natural frequencies and the natural frequency of the quartz did not exceed 500 cps. The measurements were made at 4.2, 77, and 273K, maintained constant within $\pm 0.1^\circ$. Plots were obtained of the internal friction and Young's modulus against the amplitude of the strain, the variation of Young's modulus during excitation, the variation of the depth of relaxation of the modulus as a result of prior plastic deformation, and the influence of temperature on

ACC NR: AP7001702

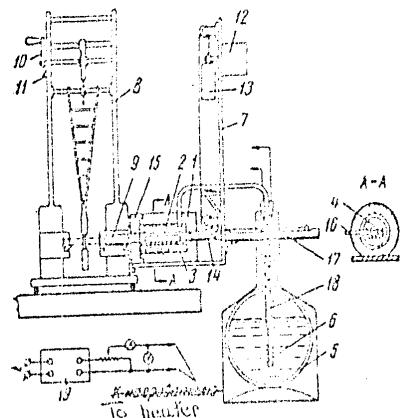


Figure 1. Scheme of attachment to a Type MK-05 impact testing machine for determining the impact ductility of materials at low temperatures.

SUB CODE: 1120/SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

Card 2/2

AUT. BY: 1001701

SOURCE CODE: UR/0032/16/032/12/1522/1523

NAME: Arshavtsev, A. I.; Platkov, V. Ya.; Trikoza, A. I.; Moskalen, V. A.

CITE: Physico-Technological Institute for low Temperatures, AN UkrSSR (Fiziko-
tekhnicheskiy institut nizkikh temperatur AN UkrSSR)

TITLE: Attachment to pendulum-type impact testing machines for determining impact
ductility at low temperatures

SOURCE: Zavodskaya laboratoriya, v. 32, no. 12, 1966, 1522-1523

TOPIC TAGS: impact test, ductility, metallurgic testing machine

ABSTRACT: The article describes the details of a newly developed attachment to a Type
KK-05 impact testing machine, which makes it possible to carry out tests at
temperatures in the range of 77-300°K, and a mechanism for the automatic feeding of the
sample from the cryostatic chamber onto the testing stand. A scheme of the unit is
shown in Figure 1. In experiments carried out with cryostats of different volumes
(from 170 to 1300 cm³) it was established that the temperature in the cryostat is
determined only as a function of the power of the heater. The unit described in the
article makes it possible to carry out slow cooling of three samples, and subsequent
testing at determined temperatures. Orig. art. has: 2 figures.

Card 1/2

UDC: 620.178.7.20

PLATKOV, M.A.; ILLARIONOV, S.V.

Analytic design of a mechanical selector of molecular beams.
Prib. i tekhn. eksp. 7 no.2:133-136 Mr-Ap '62. (MIRA 15:5)

1. Moskovskiy fiziko-tehnicheskiy institut i Nauchnyy institut
po udobreniyam i insektofungisidam.
(Molecular beams)

S/080/62/035/012/002/012
D444/D307

AUTHORS: Platkov, M.A., Illarionov, V.I., Kononov, V.A.,
Kunin, K.V. and Evenchik, S.D.

TITLE: Separation of sulfur and selenium in packed and
plate columns and the efficiencies

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 12, 1962,
2620-2624

TEXT: The object of this work was to fill the lack of
information on plate efficiency or the proportionality coefficient
between a theoretical plate and unit height of packing. This infor-
mation is needed for sulfur-selenium separation column design. The
material used was sulfur containing 0.4% As, 0.03% Se, 0.02% Te,
bitumen and ash; a Se-enriched variety (0.044% Se) was also used.
It was found that one theoretical plate corresponds to 27 cm of
packed column with a reflux number of 2.6 and $5 \times 4.3 \times 0.3$ and
 $7.8 \times 8.5 \times 0.3$ mm packing. The efficiency of columns with 'sieve'
and 'bubble-cap' plates was 6.5 and 0.31, respectively. With the

Card 1/2

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ACCESSION NR: AR4044034

vapors. The distribution functions are easily determined using a velocity selector; to detect the beam it is proposed to use a method of weakening the intensity of the electron beam scattered in the molecular beam.

SUB CODE: NP

ENCL: 00

Card 2/2

L11638-65 BM(1)M TIP(c)
ACCESSION NR. AR4044014

S/0058/03/000/011/D017/D017

SOURCE: Ref. zh. Fizika, Aleg. 11D110

AUTHOR: Ilyarionov, S. V., Flatkov, M. A.

TITLE: A method of detecting beams of neutral molecules, and calculation of the equilibrium composition of the gaseous phase

CITED SOURCE: Tr. Nauchn. in-ta po udobr. i insektofungitsidam. M., 1963, 3-8

TOPIC TAGS: neutral molecule, neutral molecule beam, equilibrium composition, gaseous phase, effusion beam

TRANSLATION: If it is assumed that the composition of an effusion beam uniquely reflects the composition of the gas in the beam-source chamber, then measurement of the molecule distribution function by velocities in the beam makes it possible to obtain information on the composition of the equilibrium

Card 1/2

PLATKOV, I.D.

Comprehensive planning of engineering installations. Gor.khoz.
Mosk. 36 no.6:26-27 Je '62. (MIRA 15:8)

1. Glavnyy inzhener 1-y masterskoy instituta "Mosinzhproyekt."
(Moscow--Municipal engineering)

PLATKOV, G.D., inzhener.

Landscaping open areas around apartment houses. Gor.khoz.Mosk.
24 no.4:16-20 Ap '50. (MLRA 7:10)

(Moscow--Landscape architecture) (Landscape architecture--
Moscow)

PIATITSYNA, T.I.

Nakhodka Station. Zashch. rast. ot vred. i bol. 8 no.9:44 S
'63. (MIRA 16:10)

1. Starshiy inspektor Nakhodkinskogo punkta.

PLATITSYN, N.A.

Concerning losses of electric power in the discharge resistances
of the batteries of static condensers. Prom. energ. 15 no. 7:8-10
Jl '60. (MIRA 15:1)

(Condensers (Electricity))
(Electric power)

PLATITSYN, N., podpolkovnik.

Infantry firearms of the United States Army. Voen.znan. 31 no.11
20-21 N '55. (MLR 9:5)

(U.S. Army--Firearms)

PLATITSYN, N., podpolkovnik.

Infantry firearms of the United States Army. Voen.znan. 31 no.11:

20-21 N '55.

(MLRA 9:5)

(U.S. Army--Firearms)

PANFILOV, G.; PLATITSIN, V., yurist, Geroy Sovetskogo Soyuza

Important role of a public inspector. Okhr. truda i
sots. strakh. 3 no. 10:44-45 O '60. (MIRA 13:11)

1. Predsedatel' komissii okhrany truda zavkoma 1-go
Gosudarstvennogo podshipnikovogo zavoda.
(Bearing industry--Hygienic aspects)

PLATITSIN, N.N., polkovnik; VIL'CHINSKIY, I.K., polkovnik, red.;
MYASNIKOVA, T.F., tekhn.red.

[Firing manual; Makarov 9-mm. pistol (PM)] Nastavlenie po
strelkovomu delu; 9-mm pistolet Makarova (PM). Izd.3, ispr.
Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 92 p. (MIRA 13:4)

1. Russia (1923- U.S.S.R.) Ministerstvo oborony.
(Pistols)

SAVCHENKO, Sergey Stepanovich, general-mayor; ALEKSANDROV, Anatoliy Aleksandrovich, polkovnik; GRECHIKHIN, Aleksey Fedorovich, polkovnik; PLATITSIN, Nikolay Nikitich, polkovnik; VIL'CHINSKIY, I.K., polkovnik, red.; SOLOMONIK, K.L., tekhn. red.

[Field firing for the personnel of small units] Boevye strel'-by v sostave podrazdelenii. Moskva, Voen.izd-vo M-va oborony SSSR, 1961. 156 p. (MIRA 15:3)

(Shooting, Military)

PLATITSIN, N., podpolkovnik.

Small arms of the British army. Voen.znan. 32 no.2:28-29 F '55.
(MLita 9:5)

(Great Britain--Army--Firearms)

KRCILEK, A.; CERVENY, O.; PODZIMEK, A.; BOREK, Z.; PIATILOVA, H.

Postphlebitic syndrome. Cas. lek. cesk. 97 no.45:1410-1415 7 Nov 58.

1. IV. interní klinika KU prednosta prof. MUDr. Boh. Prusik člen
korespondent CSAV. II. chirurgická klinika KU prednosta akademik
prof. MUDr. J. Divis. O. C. Praha 2 U nemocnice 499/2.

(PHLEBITIS, compl.
postphlebitic synd. (Cz))

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Method and Technique of Investigations.

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 12218

Author : Krcilek, A.; Platilov, H.

Inst :
Title : Infrared Photography of Subcutaneous Veins.

Orig Pub : Vnitrni Lekarstvi, 1956, 2, No. 5, 439-444

Abstract : A description of the method of intravital IR-photography, a survey of the literature and personal experiments in its application for discovery of subcutaneous veins and venous plexuses.

Quesed 1/1

MUTAFTSCHIEV, B. [Mitavchiev, B.]; PLATIKANOVA, W. [Platikanova, V.]

On kinetic forming crystal nucleus in solution. Doklady BAN 14
no.7:695-698 '61.

1. Institut fur physikalische Chemie an der Bulgarischen Akademie
der Wissenschaften. Vorgelegt von Akademiemitglied R. Kaischew
[Kaishev, R.].

(Kinetics) (Crystallization)

MALINOWSKI, I.; PLATIKANOVA, V.; PETKANCHIN, I.

Model studies of the influence of admixtures on the photographic process. Izv Inst fiz khim 3: 119-131 '63.

1. Institut po fizikokhimii pri Bulgarskata akademija na naukite.

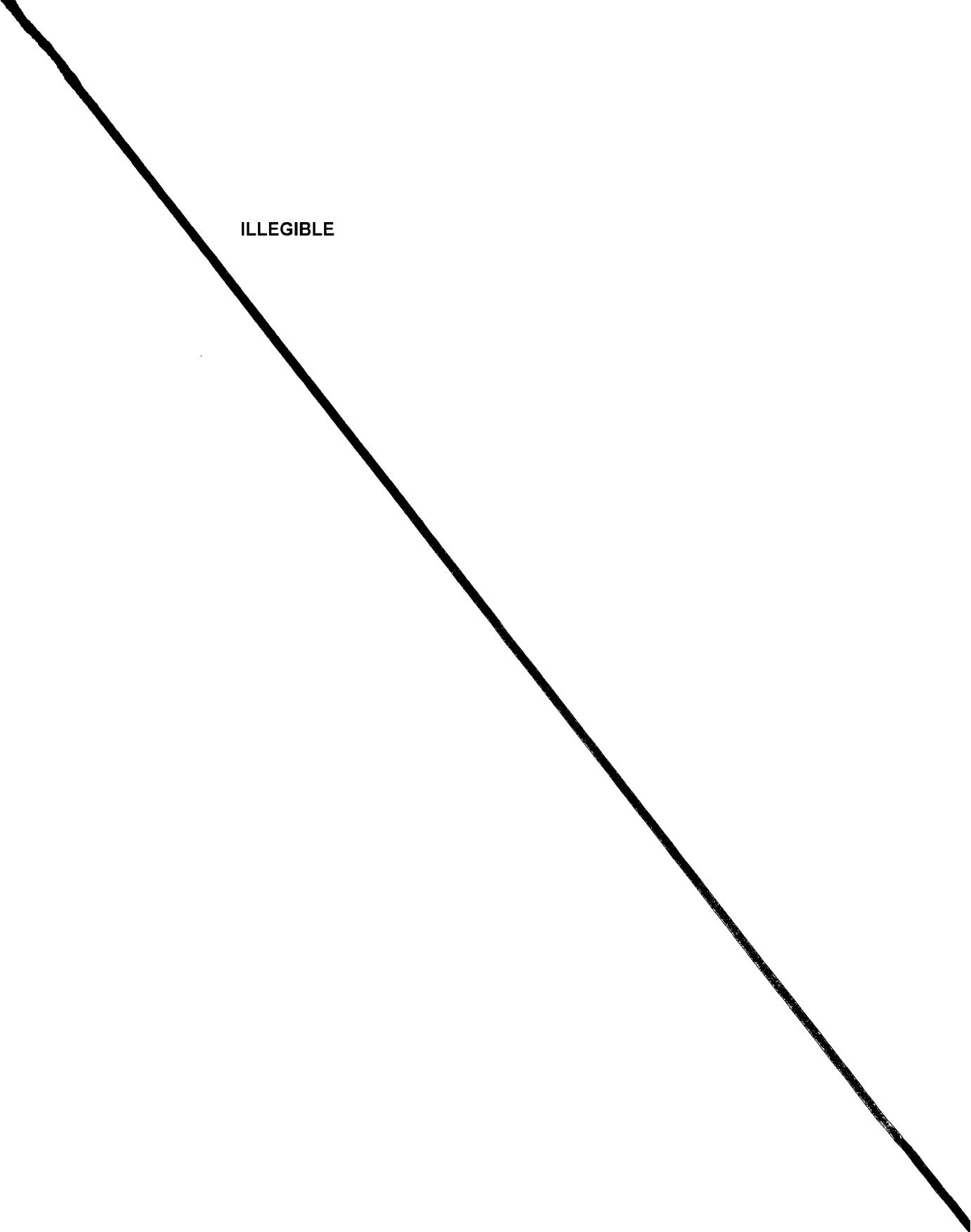
APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATIKANOV, N.

Evaluation of protein nutrient value in foods and fodder.
Selkostop nauka 2 no.5/6:678-691 '63.

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ILLEGIBLE



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PLATIKANOV, N.

"Organization and Evaluation of Labor on Sheep Breeding Farms and on Collective Farms."
p. 217, Izvestia, Sofiya, Vol. 5, 1954

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

PLATIKANOV, N.

"Professor Zheliu Ganchev; a profile" (p.95) PRIRODA
(Bulgarska Akademija Na Naukite) Sofiya Vol 2 No 6 Nov/Dec 1953

SO: East European Accessions List Vol 2 No 6 Aug 1954

ACCESSION NR: AP4019220

nomenon, follows by derivation of the self excitation condition for the Raman laser. It is shown that during the course of interaction of the waves the energy goes from the wave with the larger frequency (pump) to that with the lower frequency (signal). This explains why the amplification occurs only for the Stokes component of the Raman scattering. A theoretical limit is shown to exist for the energy transferred from the pump to the signal and that the energy transformation ratio is equal to the signal to pump frequency ratio ω_s/ω_p .

It is pointed out that the Raman laser is a new type of generator, distinct from all others known in optics. Its oscillation energy is proportional to $(\omega_s/\omega_p)^2 E_p^2$, as in parametric generators, but unlike the latter there is no need for satisfying rigorous dispersion relations and the self-excitation coefficient is determined by the square of the amplitude of the pumping wave and not by the first power. "The authors are grateful to S. A. Akhmanov and D. N. Klyshko for a discussion of the results." Orig. art. has: 14 for-

2/02
Card

ACCESSION NR: AP4019220

S/0056/64/046/002/0555/0559

AUTHORS: Platonenko, V. T.; Khokhlov, R. V.

TITLE: On the operating mechanism of a Raman laser

SOURCE: Zhurnal eksper. i teor. fiz., v. 46, no. 2, 1964, 555-559

TOPIC TAGS: laser, Raman laser, stimulated Raman scattering, laser emission, Raman line, Stokes component, laser self excitation, Raman laser self excitation

ABSTRACT: In view of recent observations of stimulated Raman scattering laser lines from various organic liquids stimulated by intense light waves of a different frequency (G. Eckhardt et al., Phys. Rev. Lett. v. 9, 455, 1962) and the resultant feasibility of a new type of laser (Raman laser), the authors first present a classical description of stimulated Raman scattering and the nonlinear theory of a traveling wave amplifier based on the use of this phe-

Card. 1/62

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

ELATONENKO, V. V.; PROKHLOV, R. N.

Interviewer: G. M. Kuznetsov
Interviewee: V. V. Elatonenko, R. N. Prokhlov

2. Who gave you the order to go to the U.S.?

M. B. - 100

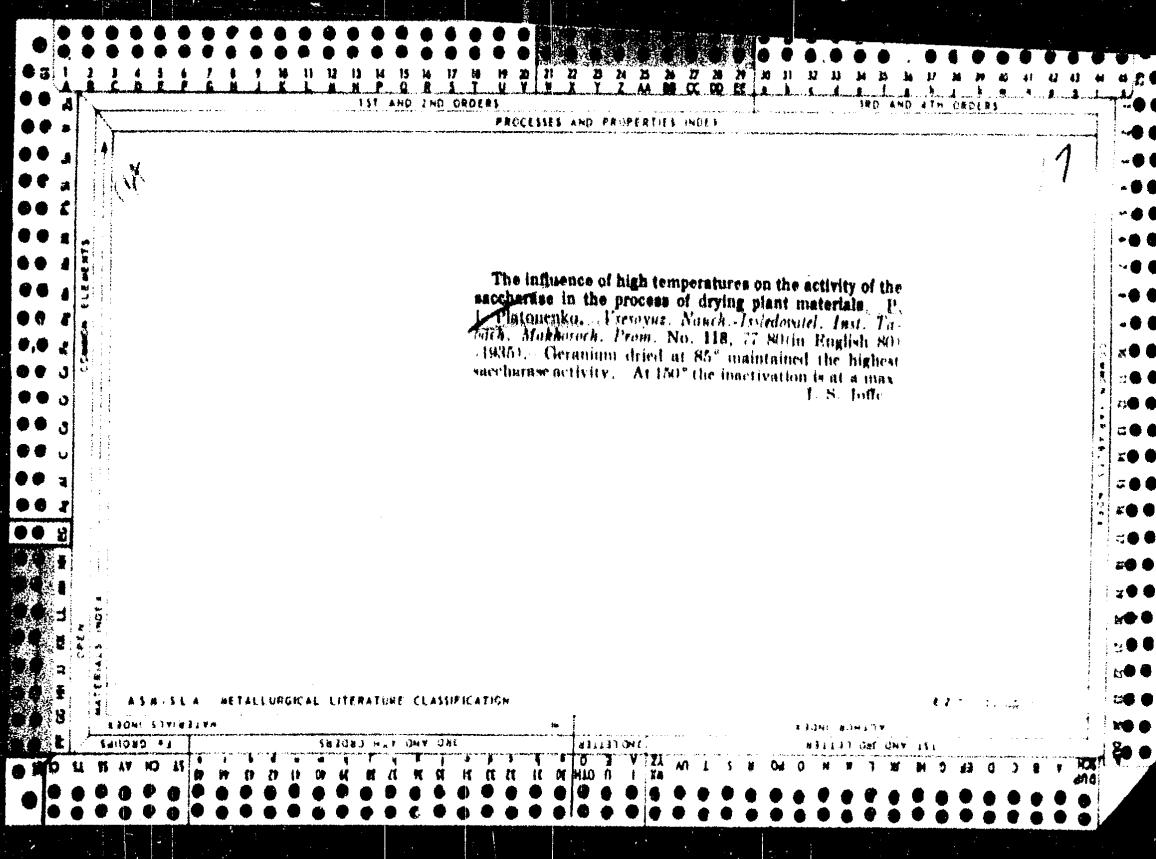
APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATONENKO, V.T.; KHOKHLOV, R.V.

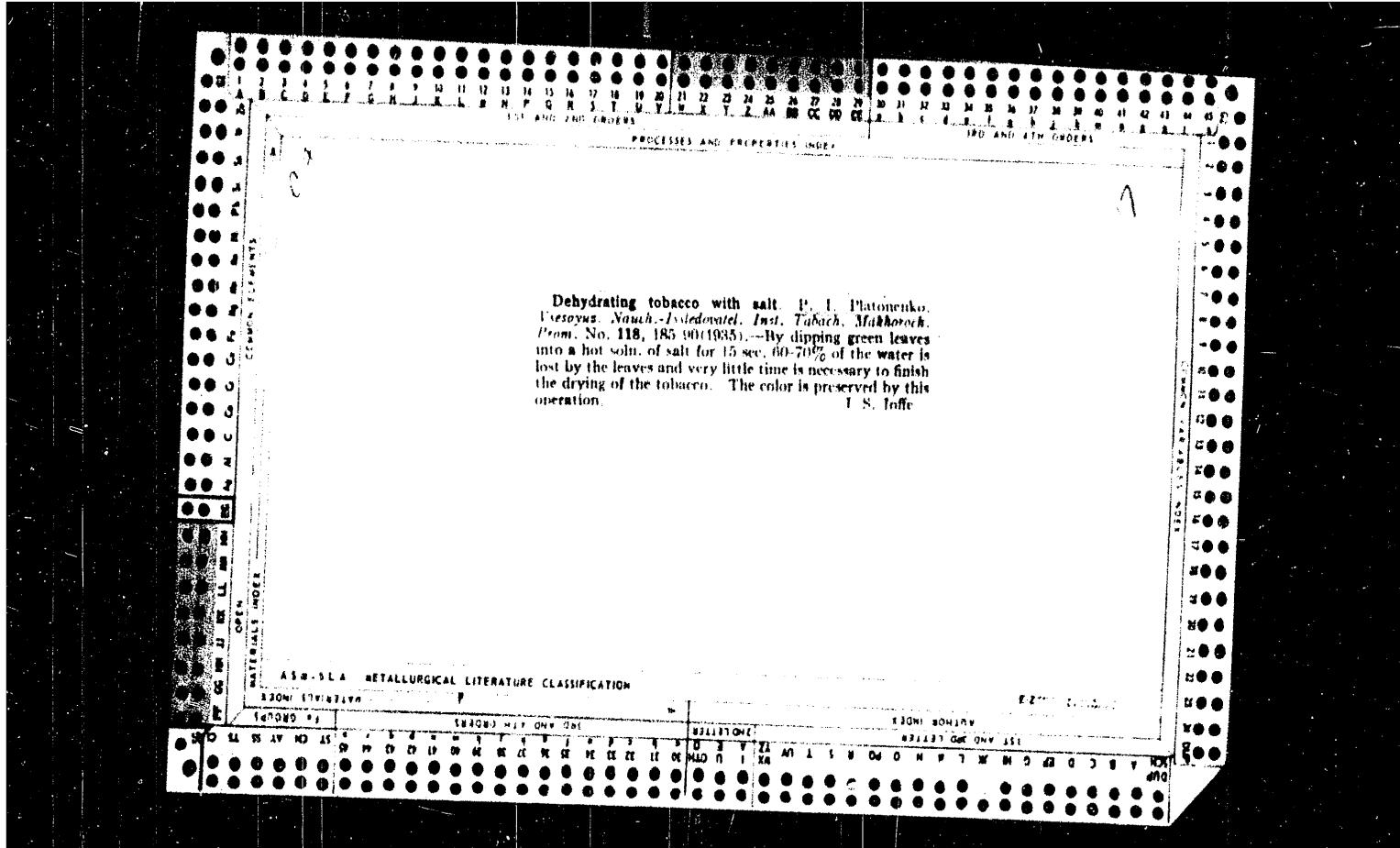
Induced Raman scattering in media consisting of anisotropic
molecules. Opt. i spektr. 18 no.3:369-376. Ukr. 1965.

(USSR) (FBI)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6



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L 8322-66 FED/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(m)-2/EWA(h) SCTB/LJP(-) WG/GG
ACC NR: AP5026612 SOURCE CODE: UR/0056/65/049/004/1190/1196

AUTHOR: Platonenko, V. T.; Stamenov, K. V.; Khokhlov, R. V. 44
ORG: Moscow State University 55 44 55 44 (Moskovskiy gosudarstvenny universitet)
TITLE: Stimulated Raman scattering in strong fields

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 4, 1965,
1190-1196

TOPIC TAGS: 21, 44, 55 Raman effect, Raman scattering, nonlinear optics, Stokes component,
stimulated Raman scattering, Raman laser, strong magnetic field

ABSTRACT: A quantum mechanical treatment is conducted of the stimulated Raman scattering by molecules with nonequidistant vibrational levels in a strong magnetic field. The kinetic equation for the density matrix in the energy representation is used in the analysis. A condition for the appearance of the Stokes doublet (i.e., splitting of the Stokes line) is derived. The fields of the exciting waves required for the splitting are shown to be smaller than those at which the saturation effect will appear. At a large pump power, the Stokes line should be asymmetrically broadened, making it possible to evaluate the energy levels making the main contribution to stimulated Raman scattering. Orig. art. has: 15 formulas.

SUB CODE: 40/ SUBM DATE: 23Apr65/ ORIG REF: 004/ OTH REF: 003/ ATD PRESS:
OC Card 1/1 [CS] 4149

L 9494-66
ACC NR:

AP6000742

tion for E_1 and E_2 describing the interaction of E_1 and E_2 wave
 $(\gamma w_1^2 + \gamma w_2^2 = w_0)$. A criterion is then obtained for the amplification
in the case of amplification, the threshold power for the
criterion is large. In liquids whose index of refraction is large.
In the case of amplification, it is shown that the threshold power for
the criterion is large. In liquids whose index of refraction is large.

SUB CODE: 20/

SUBM DATE: 09Sep65/ AND PRESS: 4/62

[Signature]
Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

0494-66 EWA(k)/FED/EWT(1) EEC(k)-2/T/EWP(k)/E
CC NIKI AP6000742 WG/WW/GG SOURCE CODE: UR/

AUTHOR: Platonenko, V. T.; Khokhlov, R. V.
44, 55 44, 55
ORG: Moscow State University im. M. V. Lomonosov (Moskovskij gosudarstvennyj
universitet)
TITLE: Stimulated Raman scattering and parametric processes
21, 44, 55
SOURCE: Zhurnal eksperimental'noj i teoreticheskoy fiziki. Pis'ma v redaktsiyu.
izdatel'stvo Naukova Dumka, Kiev, 1965, no. 9, 435-437
nonlinear optics, parametric amplification, Raman scattering
conducted of the possibility of obtaining
using coherent molecular vibration
excitation (pumping).

66 EWAII // WG//WW 44/55
 AP6000742 Platonenko, V. T.; Khokhlov, R.
 44/55 Moscow State University im. M. V. Lomonosov (Mos.
 ersity)
 LE: Stimulated Raman scattering and parametric processes
 SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu,
 rilozheniya, v. 2, no. 9, 1965, 435-437
 TOPIC TAGS: laser, nonlinear optics, parametric amplification, Raman scattering,
 stimulated emission
 ABSTRACT: A theoretical analysis is conducted of the possibility of obtaining
 metric amplification and frequency conversion using coherent molecular vibration
 duced during stimulated Raman scattering as a source of excitation (pumping).
 analysis is performed for an electric field in a medium

$$\bar{E} = \bar{E}_{H\perp C} e^{i\omega t} + \bar{E}_a e^{i\omega t} + E_{1\perp} e^{i\omega t} + E_{2\perp} e^{i\omega t},$$

$$= \omega_1 + \omega_2 = \omega_0$$
 (ω_0 is the natural frequency of the molecules o
 (C). Assuming that $E_H \parallel E_C \parallel \bar{E}_1 \parallel \bar{E}_2$, the authors derive
 polarizability that $\bar{E}_{12} \ll \bar{E}_{HC}$, they derive a symmetri

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Study of available plans, programs
and policies of the Soviet Union

of the USSR, its satellite states, and other
countries, particularly the United States,
including, among others, the following:
Russia, China, India, Japan, France,
Germany, Italy, Great Britain, Australia,
New Zealand, South Africa, Canada, Mexico,
Brazil, Argentina, Chile, Uruguay, Venezuela,
Peru, Colombia, Ecuador, Bolivia, and others.

SUPPLEMENTED June 4, 1966

Bernard J. Schlesinger

Stability of Emulsion Film at the
Equilibrium of Immiscibility

Stabilized emulsions of the immiscible film system had
very low droplet coalescence probability.

In the form of the oil, i.e., upon thermal aging of the film,
or not (Gard) emulsion O.II-HCI, contains no
intrinsic property of immiscible emulsion to stabilize
underneath the film, indicating that emulsion film
cannot take their place underneath the stable, i.e.,
porous film. These facts indicate that the stabilized
emulsion does not reduce to unstable emulsion
when underneath the film. Study of the film
prepared has shown high corrosion stability, high
solubility in acidic and basic, high oil absorption
power (40%), good adhesion to the metal surface
and the paint formation. These properties suggest
that the stabilized film can be used as an anticorrosive
under paint. The results of the film thickness and
performance tested, A.Gard, G.HCI, H.Gard,
Gard-Gard, Gard-HCI, Gard-HCI-HCI, and
Gard-HCI-Gard, are as follows:

Gard-Gard

Study of Cathodic Film Formed in
Electrolysis of Chromic Acid

Part I
S. A. KATSEV

Kinetics of Film Formation

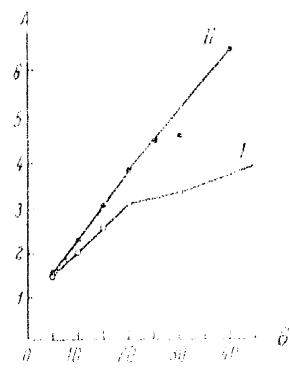


Fig. 2. Illustration of the kinetics of formation of the cathodic film of electrolytic Cr₂O₃ (A) in chromic acid solution (B); (B) blue (inert), measured in the electrolysis on copper; (III) on diatom.

Card 2/4

5.1310

AUTHORS:

Sysoyev, A. N., Dostoevskaya, N. P., Pichugin, V. M.

TITLE:

Study of Cathodic Film Formation in Electrolytes Containing Chromic Acid

PERIODICAL:

Zhurnal prikladnoy khimii, Russ, Vol. 54, No. 3,
pp 372-378 (USSR)

ABSTRACT:

Chemical composition, properties, and mechanism of formation of cathodic films formed upon electrolysis of pure chromic acid were studied. Copper and steel cathodes of 0.1 dm² surface area and purity, and lead anodes were used. The electrolyte was 0.1M solution of CrO₃ without SO₄²⁻ ions. Dense cathodic films were obtained at current density by 10-20 amp/dm² (C stands for cathode), temperature of electrolyte 30-40°, concentration of CrO₃ 0.05-0.1M, and time of electrolysis 1 hr. The film thickness

Card 1/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

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ACCESSION NR: A85009355

Office interpretation. Bibliography of 7 items. Tu. Keenits.

ENCL: 00

SUB CODE: 18

3

Card: 3/3 m/s

L 40713-65

ACCESSION NO: A25009355

field soil mapping from aerial photographs. Relief was estimated directly on the aerial photographs with an accuracy to 0.15 unit on a 5-unit scale; the lowest elevation was assigned to unit 1 and the highest elevation was assigned unit 5. A scale of proposed features of agricultural lands then was prepared; the units of this scale were derived as the mean arithmetical units of all three arguments. Each interpreted proposed feature (PF) was assigned a unit selected from this scale and the arguments were evaluated separately: density of photo tones (P), soil (S) and relief (R). On the basis of the observed data a composite correlation coefficient was derived for characterizing the dependence of PF on P, S and R. The determined value was 0.873. Then the special correlation coefficients were computed:

$$\beta_{PK} = PK, \beta_P = P, \beta_R = R, \beta_S = S.$$

Finally, a PF multiple regression equation was derived for P, S and R. $PF = 0.76 + 0.22P + 0.19S + 0.32R$. Such statistical investigations should be expanded in the direction of an increase of the number of interpretation criteria. The regression equation derived on their basis can be used in developing a method of

Card 2/3

L-40713-65 LWT(L) AFATC GW

ACCESSION NR: AR5009355

8/0270/65/000/003/0027/0028

Q1

B

SOURCE: Nef. zh. Geodesiya. Otd. vyp., Abs. 3.52.133

AUTHOR: Piatonenko, M. A.; Filippov, M. V.

TITLE: Interpretation of agricultural lands on aerial photographs using regression equations

CITED SOURCE: Tr. Omskogo s.-kh. in-ta, v.55, no. 2, 1964, 73-80

TOPIC TAGS: aerial photography, aerial photograph interpretation, photogrammetry, regression equation

TRANSLATION: A statistical study has been made of the influence of the density of the photo tone in the office interpretation of an aerial photograph of agricultural lands. Ten contact prints at a scale of 1:4,000 were used. Between 20 and 30 characteristic features were noted on each of the prints. The values of the density of the photo tone were determined with an accuracy to 0.25 visual photometric unit on an 8-unit scale of a gradation positive. Soils were evaluated with an accuracy to 0.5 unit on a 10-unit scale prepared on the basis of the results of

Card 1/3

AUTHORS: Fialkov, D.M. and Platonenko, K.A. S'V-132-59-8-6/16

TITLE: Photogrammetric Method of Detailed Geological Mapping
(Fotogrammetricheskiy spozob detal'nogo geologicheskogo kartirovaniya)

PERIODICAL: Razvedka i okhrana nedr, 1958, Nr 8, pp 21 - 25 (USSR)

ABSTRACT: As aerial photography is now widely used for prospecting for mineral deposits, the authors propose the photogrammetric method of detailed geological mapping to replace the antiquated method of geological surveying. As a rule, the topographic map is established with the help of aerial photography and the necessary connection of the identification mark of the aerial photography with the reference of the map. Observing definite conditions, all elements discovered by the photograph can be fixed on the map with great precision. There is 1 map and 2 diagrams and 1 graph.

ASSOCIATION: Omskaya kompleksnaya ekspeditsiya (The Omsk Joint Expedition)
1. Minerals--USSR 2. Minerals--Sources 3. Mapping--Applications
4. Aerial photography--Applications

Card 1/1

PLATONENKO, M.A.

Quantitative characteristics of interpretation characteristics
of soils on air photos by means of correlation coefficients.
Pochvovedenie no.1:75-84 Ja '63. (MIRA 16:2)

1. Omskiy sel'skokhozyaystvennyy institut imeni S.M.Kirova.
(Siberia, Western--Soils) (Photographic interpretation)

PLATONENKO, M.A.

Characteristics of the aerial photography of soils in Western
Siberia. Pochvovedenie no.2:42-50 F '62. (MIRA 15:3)

1. Omskiy sel'skokhozyaystvennyy institut imeni S.M.Kirova.
(Siberia, Western--Soil surveys) (Aeronautics in surveying)

S/035/00/005/035/035
A001/A001

Translation from Referativnyy zhurnal, Astronomiya i Gocodariya, 1960, No. 6,
p. 106, # 5636

AUTHOR: Piatovenskiy, M. A.

TITLE: Use of Readings of a Radicaltimeter and a Stadioscope for Increasing
the Precision of Graphic Phototriangulation ✓
✓

PERIODICAL: Tr. Omskogo s.-kh. in-ta, 1958, Vol. 29, No. 2, pp. 105-119

TEXT: It is proposed, in order to increase the precision of graphic phototriangulation, to use the readings of the radicaltimeter and the stadioscope, to calculate the values of double bases, and to check the plotting of a rhombic network using these values. The methods of picturing the phototriangulation network in this way are discussed, and the precision of the method is analyzed. It has been established, that the accuracy increased by 1.5 times (in processing the photographs taken by AFA with $F = 200$ mm).

S. Z. R.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

✓B

PLATONAU, G. V., laureat Stalinskay premii, kandidat filosofskikh nauk;
DZERUZHYNSKI, A., redaktor; TRUKHANAVA, A., tekhnicheskiy redaktor

[K.A.Timiriazev's struggle against idealism and religion] Barats'ba
K.A.Timirazeva suprots' idealizma i religii. Minsk, Dziarzh. vyd-va
BSSR, 1954. 43 p.
(Timiriazev, Kliment Arkad'evich, 1843-1920)

PLATON, V.M. [deceased]

Aerial photography in prospecting peat deposits. Torf.prom.32
no.5:24 '55. (MLRn 8:10)
(Peat bogs) (Photography, Aerial)

O

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATON, Vl., ing.

New solutions in manufacturing coupled windows. Inj lemnit
15 no.10:389-393 O '64.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATON, V. E.

✓ 13. USE OF AERIAL PHOTOGRAPHY FOR PROSPECTING FOR PEAT DEPOSITS.
Platon, V.E. (Inst. Prom. (Peat Ind., Moscow), 1955. (5), 24). (L).

Photo
was
MT

PLATON, VL., ing.

New solutions in manufacturing and mounting doors by finishing
them at the producers. Ind 10mmului 15 no.6/7:227-231 Ja-Ji
'64.

KOZULIN, Yu.N.; PLATON, V.D.

Calculation of a $Q_1(p, z)$ function of two complex variables.
Part 2. Uch.zap.Kish.un. 69:6-13 '64.
(MIRA 18:12)

Prokof'ev, V.

"Uchenschii," V. N. and V. Prokof'ev.

"Aeros" erika gorodov. Moskva, Sovetskoye izdat, 1:32. 16 p., 1 cm.
Bibliography: p.h.
Title tr.: Aerial mapping of cities.

TR/10.vh

S6: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

PLATON, V.

Additions to the knowledge of the hygroscopicity, water absorption, and contraction
of wool dried in petrolatum. p. 411.
(INDUSTRIA LEMNLUI. RUMANIA. Vol. 5, no. 9, Sept. 1956.)

SO: Monthly List of East European Accessions (EELA) LC, Vol. 6, no. ?, July 1957. Unci.

PLATON, Maria; OPRISOR, Natalia; TESU, Viorica; DUMITRESCU, Olga

Physiological processes in hybrid corn. Studii biol agr
Iasi 13 no.2:317-324 '62.

PIATON, N. ; ILIESCU, Gh.

Some contributions toward ink spot removal, and some aspects of the problem.
p. 217.

CELULOZA SI MIRTIE. (Asociatia Stiintifica a Inginerilor si Tehnicienilor
din Romania si Ministerul Industriei Petrolului si Chimiei) Bucuresti.
Vol. i, no. 7, July 1959

Monthly List of East European Accessions (EEAI) L.C., Vol. 2, no. 2, 1959

UNCL.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200035-6

PLATON, M., ing.; BRAICU, L., ing.

Contributions to the utilization of the Roe chlorine number.
Cei hirtie 12 no.3:88-92 Mr '63.

FISCHGOLD,S., ing.; POPESCU,G., biolog; ANTON, I., ing.; BUROVA,T.,
candidat stiinte tehnice; HERSCU,O., chim.; POPOVICI,M., chim.;
PLATON,M., ing.; KONERTH,H., chim.

Some considerations on the utilization of beechwood for obtaining chemical pulp. Gel hirtie 10 no.7/8:225-231 Jl-Ag'61.

PLATON, M., ing.; CONSTANTINESCU, O., ing.

Rendering the waste materials from forest operation and wood processing factories valuable for the pulp industry. Cel hirtie 10 no. 4121-128 Ap'61.

CONSTANTINESCU,O., ing.; ANTON.I., ing.; BUROVA,T., ing.; HOTOPELEANU,A.,
ing.; KONERTH,H., chim.; POPOVICI,M., chim.; HERSCU,O., chim.;
PETREA,G., ing., PLATON,M., ing.

Obtaining SNS chemical and semichemical pulps from reed by
means of continuous digesting in the Pandis type installation.
Cei hirtie 11 no.3100-101 Mr.'62.

PLATON, M., ing.; CONSTANTINESCU, O., ing.; KONERTH, H., chim.

Use of waste materials from forestry operation and wood
industry mills. Gel hirtie 10 no. 7/8:235-242 J1-Ag'61.

PLATON,M., ing.; POPOVICI,M., chim.

Statistical correlation between the lignin content of some
fibrous pulps and the Kappa index.Cel hirtie 12 no.2:41-47
F'63.

PLATON,M., ing.; CONSTANTINESCU,C., ing.; DRAGHICI,N., ing.; KOMERTH,H.
chim.; ANTON,I., ing.; EUROVA,T., ing.; FISCHGOLD,S., ing.;
HOTOPELEANU,A., ing.

Industrial experiments in turning to account waste materials
resulting from the exploitation and industrialization of wood.
Cel hirtie 11 no.3:102-106 Mr'62.

Platon, Florentina

5

CONSTANTINESCU, D. Dr.
Surname (in code); Given Names

Country: Rumania

Academic Degree: Dr.

Affiliation: I.C.B.M.C.P.

Source: Bucharest, Parfacia, No 6, 1961, pp 333-343.

Data: "Contributions to the Analytic Study of Cinarol"

Co-authors:

PLATON, Florentina, Pharmacist, I.C.B.M.C.P.
AFRODISEY, O., Para. Col., M.P.A.

PLATON, F.C., ing.

Problem of tanning raw material in Rumania. Some considerations
in view of the conference held at Cluj Sent. 5-6, 1955.
Industria usoara 3 no.1:36-38 Ja '56.

SAVULESCU, Alice; BECERESCU, D.; PUSCASU, A.; BOJOR, O.; PLATON, Florentina;
COICIU, Evdochia; STEFANESCU, A.; MOGA, Rodica; DRAGOMIRESCU-MANUCHIAN,
Maria

Research on the producing of spurred rye in Rumania. Studii cerc
biol veget 13 no.2:149-173 '61. (EEAI 10:11/12)

1. Membru corespondent al Academiei R.P.R.(for Savulescu) 2. Institutul
de cercetari agronomice(for Coiciu, Becerescu, Stefanescu, Puscasu,
Moga) 3.Institutul pentru controlul de stat al medicamentului si de
cercetari farmaceutice(for Bojor, Dragomirescu-Manuchian, Platon).

(Srgot)

ROMANIA

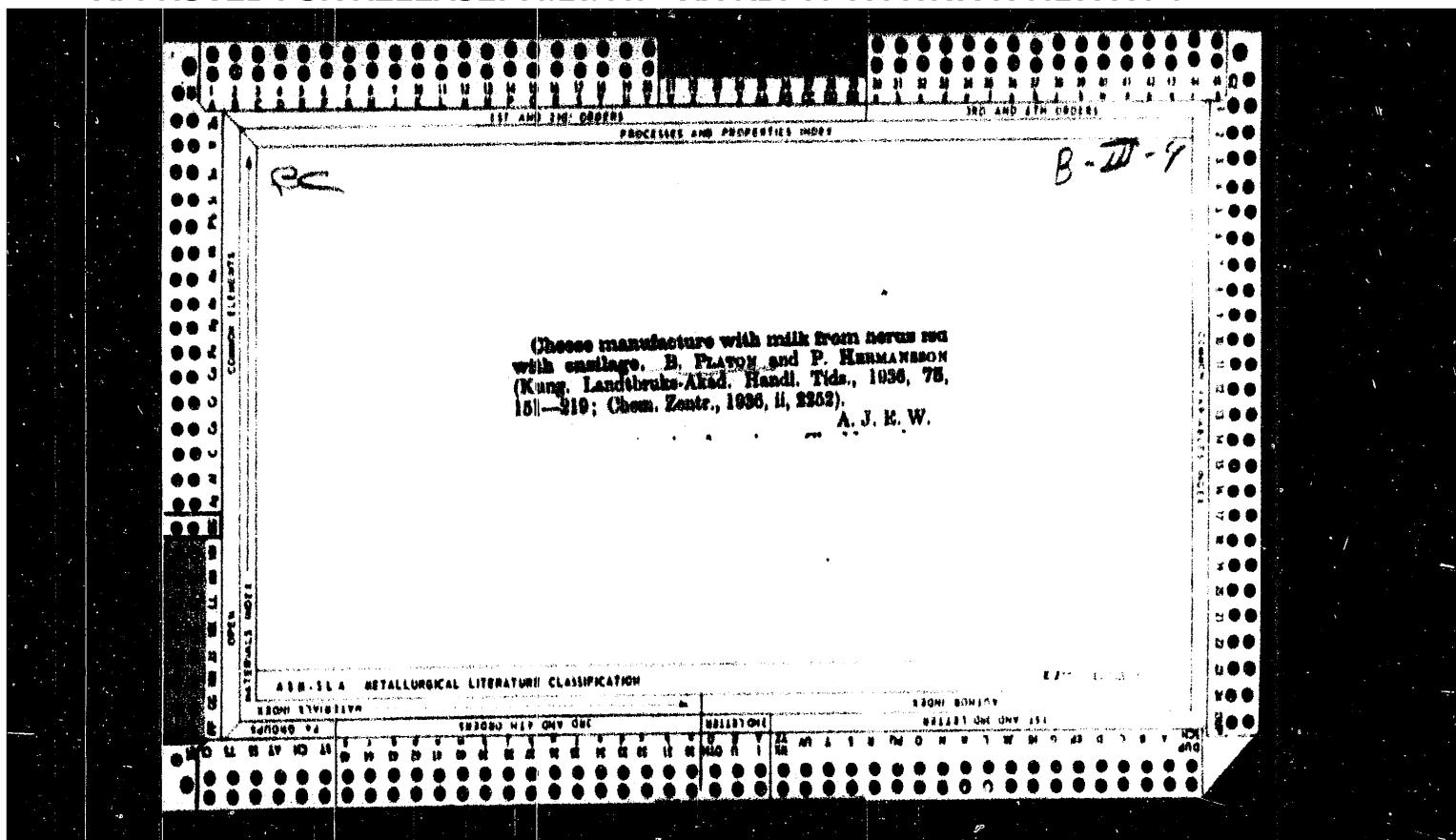
CONSTANTINESCU, D. Gr.; BOJOR, O.; MANUCHIAN-DRAOMIRESCU, Maria;
PLATON, Florentina; PAVIL, Margareta; GRINTESCU, N.;
GEORGESCU, Viorica.

Institute for State Control of Medicines and Pharmaceutical
Research (Institutul pentru controlul de stat al medicamentelor
si cercetari farmaceutice) - (for all)

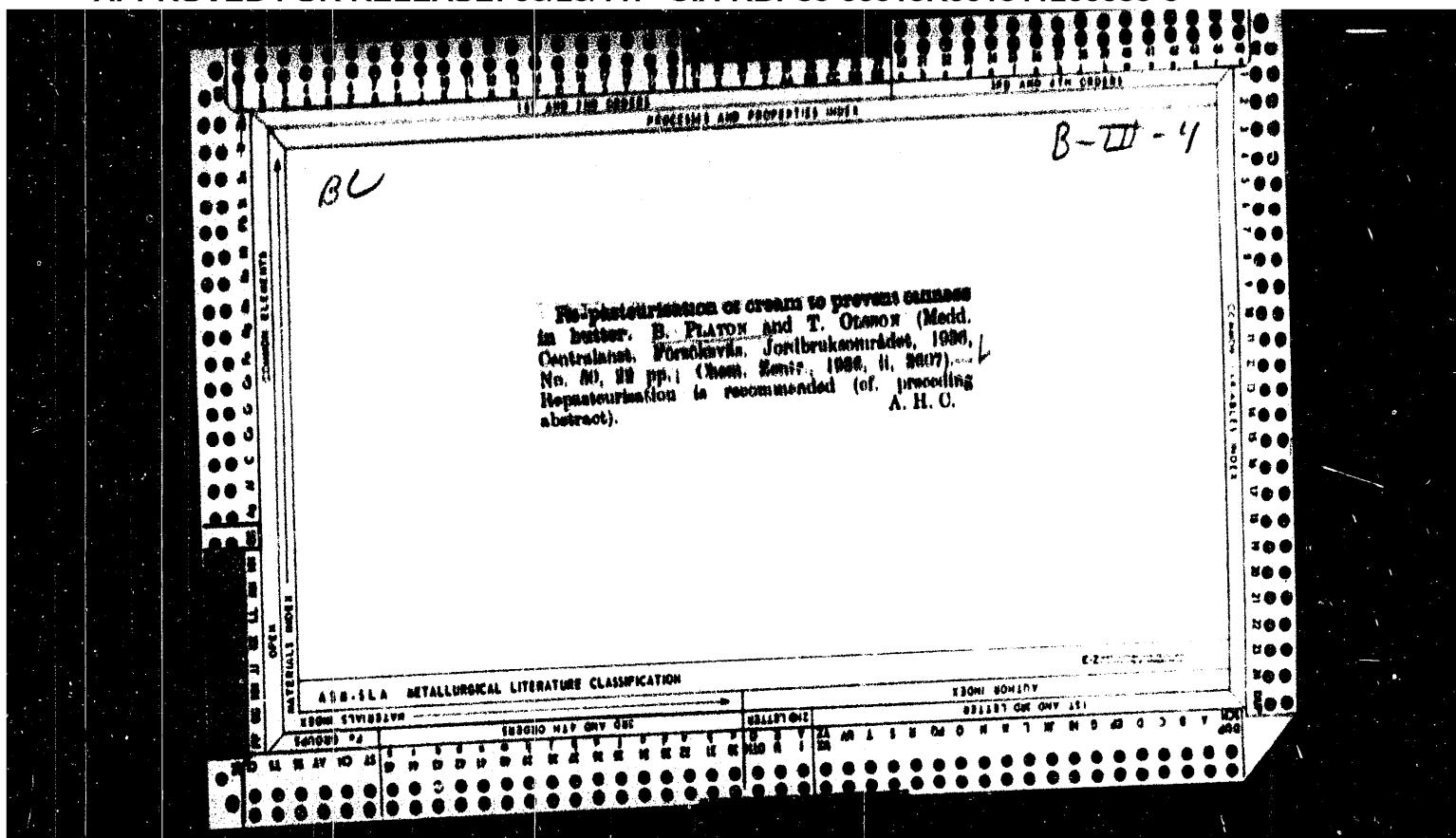
Bucharest, Farmacia, No 5, May 1963, pp 285-291

"Contributions to the Method of Obtaining Ergot of Rye Selected
by Alkaloid Groups."

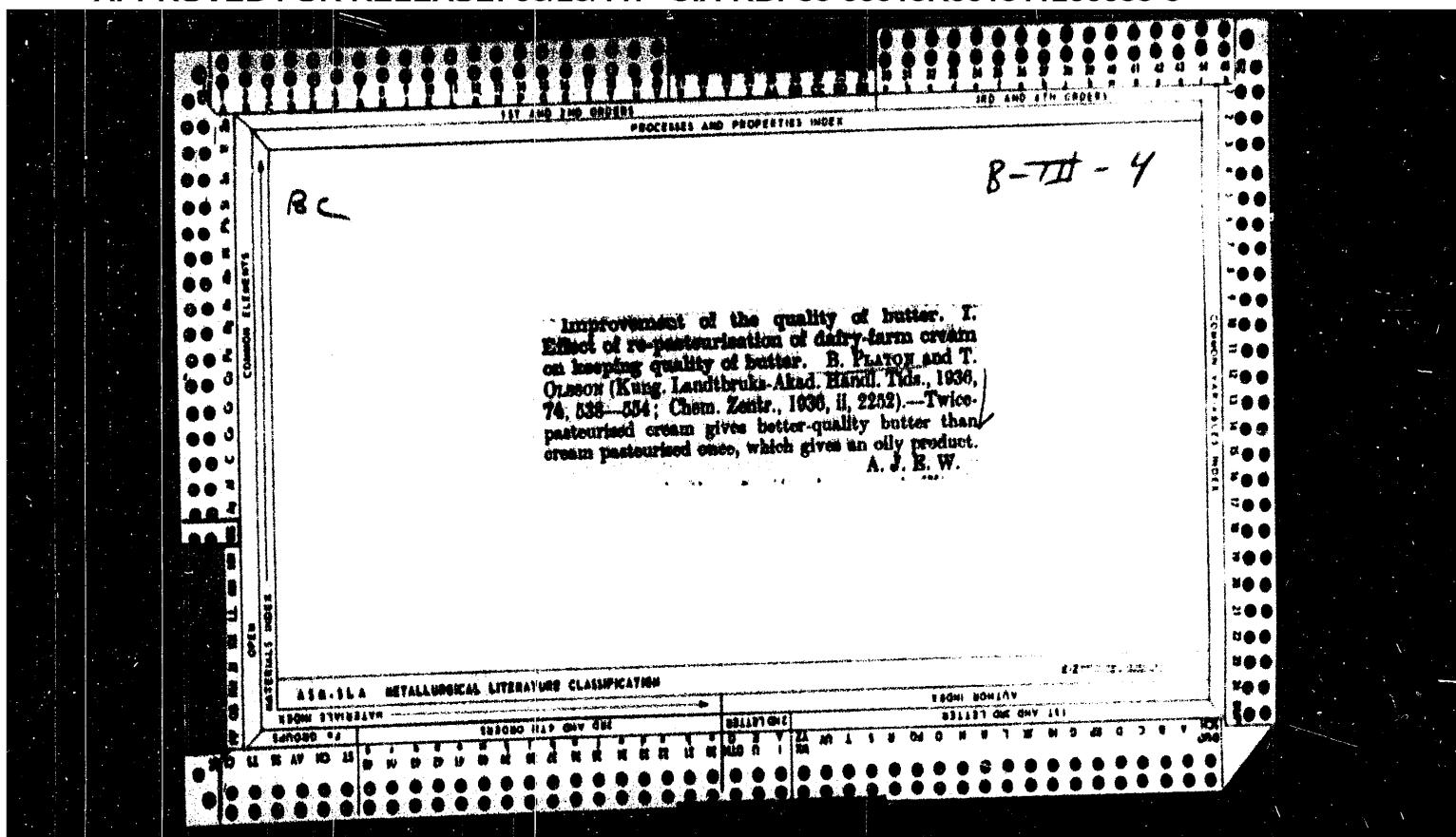
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PLATOCH, M.Yu.

Poisoning by methyl violet. Sud.-med.ekspert. 2 no.2:51-52
Ap-Je '59. (MIRA 13:6)

1. Kafedra sudebnoy meditsiny (zav. - prof. K.I. Tatiyev)
TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(METHYL VIOLET--TOXICOLOGY)

PLATOCH, M. YU. PHYSICIAN

CAND MED SCI

Dissertation: "Poisoning in a Case of Intravenous Introduction of Tincture of Iodine"

18 Apr 49

Second Moscow State Medical Inst imeni

I. V. Stalin

SO Vechernaya Moskva
Sect 71

PLATNOVA, G. F.

PHASE I BOOK EXPLORATORIOS

SOV/9064

International Conference on the Peaceful Uses of Atomic Energy. Cl., Geneva, 1958

Bul'dy somaticheskikh obozrenii. [1-4] Radioly radioelementov i radionizirovaniya elementov i sovetov Sovetskikh Nauk. Izdatelstvo znanii. 6,000 copies printed. (series: Ita.: Study)

Ed. (title page); A. P. Vinogradov, Academician; Ed.: V. L. Labunskiy, Tech. Ed.:

Yu. E. Mezai.

PURPOSE: This collection of articles is intended for scientists and engineers interested in the applications of radioactive materials to science and industry.

COVERAGE: The book contains 26 separate studies concerning various aspects of the chemistry of certain radioactive elements and the processes of radiation effect on matter. The reports discuss irradiation methods of producing uranium, plutonium, and neptunium; the chemistry of nitrate, thorium, burning of radioactive waste, the radiolysis of organic substances and of organic compounds, the mechanics of polymer chain scission, and the effect of radiation on natural and synthetic rubber. V. I. Privalov edited the contributions to individual investigations and recommended by references. Contributions of individual investigators are mentioned in annotations to the Table of Contents.

TABLE OF CONTENTS:

- Vinogradov, A. P. Metodika i sredstva (The technology of isotopes) (Report No. 2225) 5
 Shevelevich, V. S., N. S. Portnov, and A. S. Solntsev. Some Special Problems in the Preparation of Irradiated Steel Products. Elektronika First Atomic Power Plant of the USSR (Report No. 2226) 5
 The following personalities are mentioned as authors: V. M. Matkov, Yu. N. Savchenko, and V. T. Chubakov. 28
 Matkov, V. M., and M. P. Semenikhina. Separation of Thorium and Plutonium From Fusion Products by Extraction With a Mixture of Dibenzyl Sulfide and Carbon Tetrachloride (Report No. 2216) 34
 Matkov, V. M. Distribution of Thorium-232 Between the Probes or the Fiber Extraction of Thorium and Plutonium (Report No. 2206) 41
 Privalov, V. I., N. P. Stoyanov, and N. M. Kostylev. Dry Method of Generating Irradiated Products. (Report No. 2255) 42
 [The authors thank I. E. Kuznetsov and A. S. Ermakova.] 49
 Broshkova, I. Ye., V. I. Lebedev, G. V. Novikov, S. M. Naumov, Te. E. Bokshcheva, and V. V. Kostylev. Separation of Thorium-232 From the Extraction Radioactive Products (Report No. 2256) 57
 [The authors thank S. Z. Bogdanov, Corresponding Member of Academy.] 57
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AUTHOR: Platnov, P. N. (Doctor of technical sciences); Tribel'gorn, E.V.
(Candidate of technical sciences); Osadchiy, S. A.

ORG: none

TITLE: Small-size contactless time relay.

SOURCE: Mekhanizatsiya i avtomatzatsiya proizvodstvo, no. 12, 1966,
33-34

TOPIC TAGS: time relay, cold cathode tube

ABSTRACT: A time delay relay developed at the Odessa Technological Institute in Lomonosov with continuously variable delay time from 1 to 1200 sec is reported. The relay, encased in a dust- and waterproof container which has an 8-pin connector, uses two MTkh-90 cold-cathode thyratrons (see Fig.1) to realize the delay function. The maximum error of the preset time delay is ±10%. Thyratron (T_1) working as a triode together with the RC circuit realizes the delay function while thyratron (T_2) is used for resetting T_1 . The large amount of delay is possible because the C_1 capacitor charging current is commensurate with its leakage current. Orig. art. has: 1 figure and 1 table.

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Card 1/2

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2 May
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131W (CIA) 14

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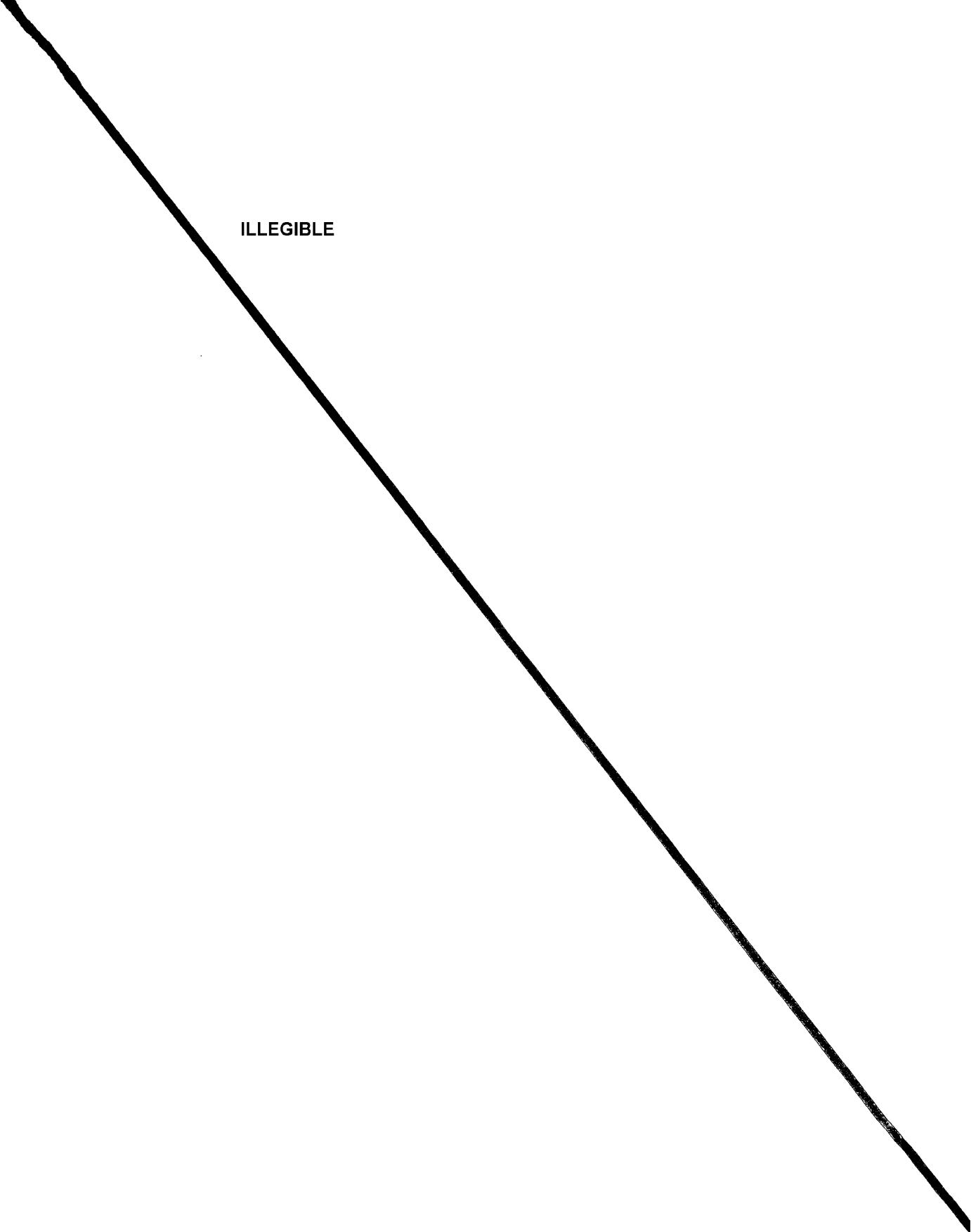
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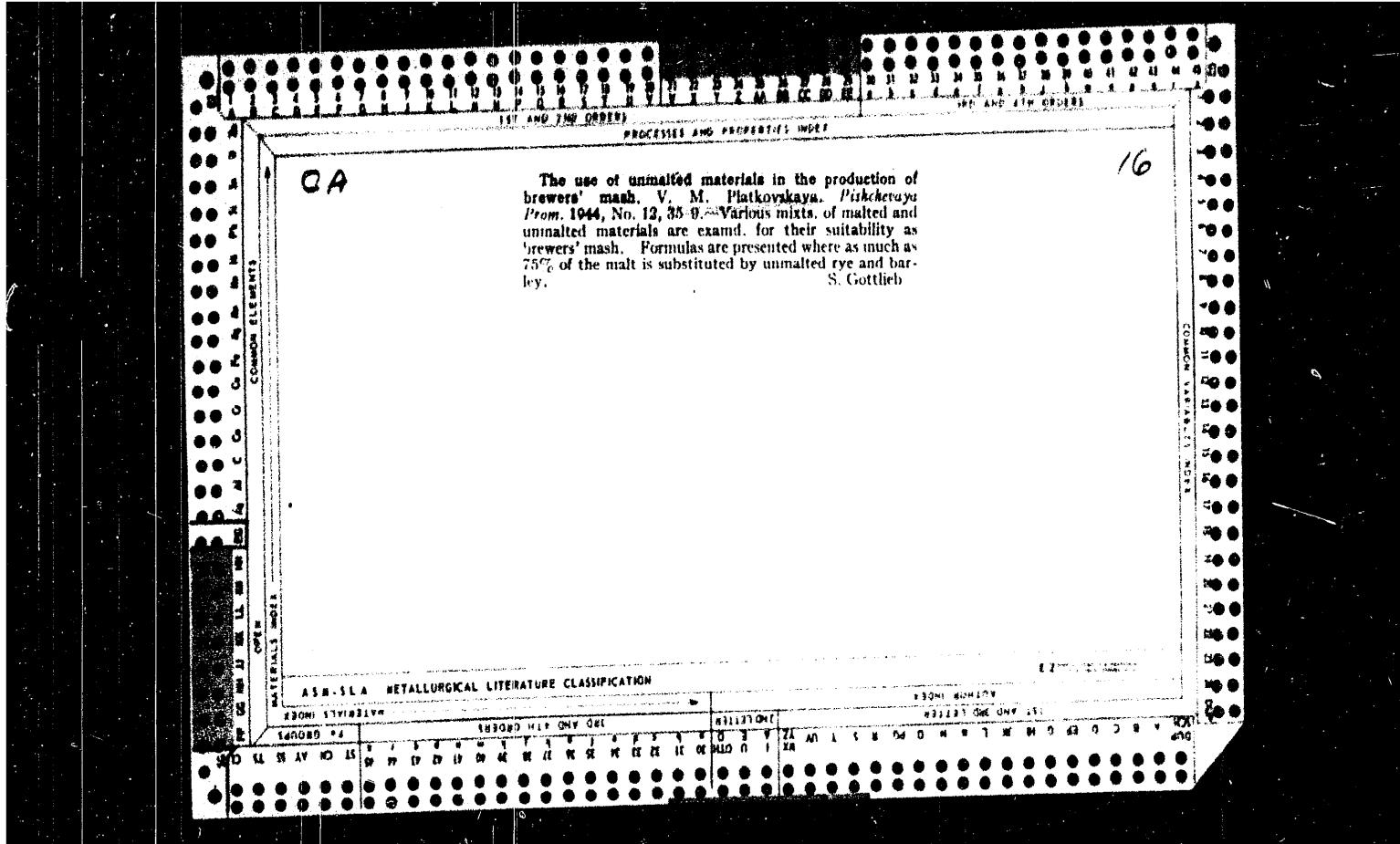
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